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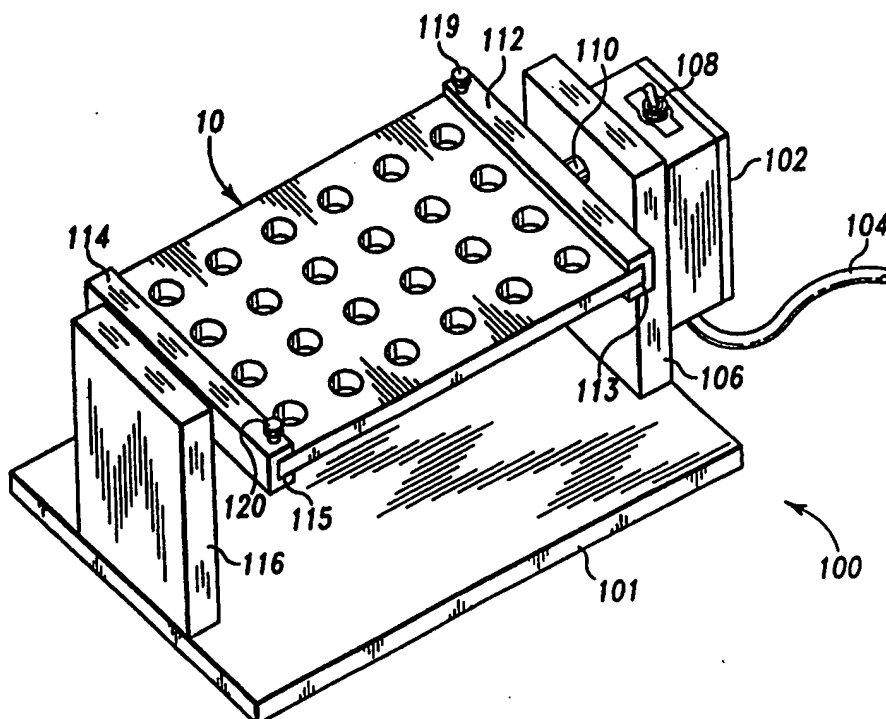
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<p>(21) International Application Number: <b>PCT/US97/19194</b> (22) International Filing Date: <b>22 October 1997 (22.10.97)</b> (30) Priority Data: <b>08/738,971</b>      <b>24 October 1996 (24.10.96)</b>      <b>US</b> (71) Applicant (for all designated States except US): <b>ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).</b> (72) Inventors; and (75) Inventors/Applicants (for US only): <b>CWI, Cynthia, L. [US/US]; 8918 Carriage Lane, Indianapolis, IN 46256 (US). SCHONEGG, Robert, A. [US/US]; 744 Woodcreek Court, Greenwood, IN 46142 (US). SCOTT, William, L. [US/US]; 144 Buckingham Drive, Indianapolis, IN 46208 (US).</b> (74) Agents: <b>COLLINS, Daniel, W. et al.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).</b></p>		<p>(81) Designated States: <b>AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b>  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>

(54) Title: **VESSEL HANDLING SYSTEM USEFUL FOR COMBINATORIAL CHEMISTRY**

### (57) Abstract

A system for holding laboratory or reaction vessels useful for performing combinatorial chemistry, particularly parallel array synthesis. The system includes a holder which is mounted within rotator (100), retaining screws (119, 120) extend through plate bores (14) to secure holder (10) in position. When switch (108) is activated, motor (102) operates to drive the rotation of bracket (112) and causes holder (10) to be rotated about a horizontal axis extending between brackets (112 and 114). Rotator (100) may be modified to retain multiple holders if desired to increase mixing capacity.



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